U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

				Complete if Known		
Substitute for fo	ubstitute for form 1449/PTO			Application Number	10/591,426	
INFORMATION DISCLOSURE				Filing Date	06-13-2007	
STA	STATEMENT BY APPLICANT			First Named Inventor	K. Matyjaszewski	
				Art Unit	1796	
(use as many sheets as necessary)		Examiner Name	M. Bernshtevn			
Sheet	1	of	20	Attorney Docket Number	050096PCTUS	

		Document Number	S. PATENT DO	COMENTO	1
Examiner Initials*	Cite No. [†]	Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, When Relevant Passages or Relevan Figures Appear
		3,037,004 A	05-29-1962	Simone et al.	
		3,096,312 A	07-02-1963	Henry	
		3,183,217 A	05-11-1965	Serniuk, et al.	
		3,350,374 A	10-31-1967	Fetscher et al.	
		3,397,186 A	08-13-1968	Edward et al.	
		3,862,978 A	01-28-1975	Decker et al.	
		3,959,225 A	05-25-1976	Kuntz	
		3,963,491 A	06-15-1976	Marsh	
		4,007,165 A	02-08-1977	MacLeav, et al.	
		4,073,870 A	02-14-1978	Saji et al.	
		4,145,586 A	03-20-1979	Haag et al.	
		4,374,751 A	02-22-1983	Dudgeon	
		4,384,093 A	05-17-1983	Culbertson et al.	
		4.581,429 A	04-08-1986	Solomon et al.	
		4,728,706 A	03-01-1988	Farnham, et al.	
		4.806.605 A	02-21-1989	Hertler	
		4,940,648 A	07-10-1990	Geiger	
		4.940.760 A	07-10-1990	Boettcher et al.	
		4,954,416 A	09-04-1990	Wright, et al.	
		4,978,498 A	12-18-1990	Yoshihiro et al.	
		5,026,813 A	06-25-1991	Meder	
		5,089,135 A	02-18-1992	Yoneyama, et al.	
		5,102,967 A	04-07-1992	Meder	
		5.169.914 A	12-08-1992	Kaszas, et al.	
		5.210.109 A	05-11-1993	Tateosian et al.	
		5,212,043 A	05-18-1993	Yamamoto et al.	
		5,248,746 A	09-28-1993	Shimokawa et al.	
		5,254,651 A	10-19-1993	Alexanian et al.	
		5,281,681 A	01-25-1994	Austin	
		5,294,678 A	03-15-1994	Tse et al.	
		5,312,871 A	05-17-1994	Mardare, et al.	

Examiner	Date
Signature	Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MEEP 600. Draw line through classion of not in conformance and not considered include copy of this form with net communication to applicable 1. Applicants in unique classion designation number (explorate). See Africa Code of USPTO Patent Documents at www.uspto.gov.or MEPP 901.04. *Enter Office that issued the occurred by the MEEP 501.04. *Enter Office that issued the occurred by the MEEP 501.04. *Enter Office that issued the occurred by the appropriate occurred to course. The office that issued the occurred by the appropriate symbols as indicated on the occurrent under WIPO Standard ST.16 if possible. *Applicant is to be called a chart of the occurrent of the occurrent occurrent. **Enter of occurrent the occurrent occurrent occurrent the occurrent occurre

This collection of information is required by 37 CFR. 1.07 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the ISBYTO be precess) and explication. Confidentially in governately 38 U.S.C. 122 and 37 CFR 1.41. This collection is estimated to take 2 hours to complete. Including gathering, preparing, and submitting the complete between the complete complete the complete between the complete complete complete the complete complete the complete complete the complete complet

Under the P	aperwork Reduction Act	of 1995, n	o persons are req	uired to respond to a collection of Inform	nation unless it contains a valid OMB control number.	
				Complete if Known		
Substitute for form 1449/PTO				Application Number	10/591,426	
INFO	RMATION DISC	CLOSU	JRE	Filing Date	06-13-2007	
STA	TEMENT BY AP	PLICA	ANT	First Named Inventor	K. Matyjaszewski	
				Art Unit	1796	
(use as many sheets as necessary)			ssary)	Examiner Name	M. Bernshteyn	
Sheet	2	of	20	Attorney Docket Number	050096PCTUS	

		Document Number	S. PATENT DO		Pages, Columns, Lines, Where
Examiner Initials*	Cite No.1	Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevan Figures Appear
		5,322,912 A	06-21-1994	Georges et al.	
		5,324,879 A	06-28-1994	Hawthorne	
		5,331,088 A	07-19-1994	Meister et al.	
		5,401,804 A	03-28-1995	Georges et al.	
		5,405,913 A	04-11-1995	Harwood, et al.	
		5,451,647 A	09-19-1995	Faust, et al.	
		5,470,928 A	11-28-1995	Harwood, et al.	
		5,506,312 A	04-09-1996	Arjunan	
		5,508,353 A	04-16-1996	Liu et al.	
		5,510,212 A	04-23-1996	Delnick et al.	
		5,510,307 A	04-23-1996	Narayanan, et al.	
		5,558,954 A	09-24-1996	Morrison	
		5,610,250 A	03-11-1997	Veregin et al.	
		5,656,708 A	08-12-1997	Meister	
		5,668,188 A	09-16-1997	Whinnery et al.	
		5,700,844 A	12-23-1997	Liao et al.	
		5,705,577 A	01-06-1998	Rossi et al.	
		5,708,102 A	01-13-1998	Frvd et al.	
		5,763,548 A	06-09-1998	Matviaszewski et al.	
		5,767,210 A	06-16-1998	Lecomte et al.	
		5,773,538 A	06-30-1998	Feiring	
		5,789,487 A	08-04-1998	Matyjaszewski et al.	
		5,807,937 A	09-15-1998	Matviaszewski et al.	
		5,811,500 A	09-22-1998	Dubois et al.	
		5,833,320 A	11-10-1998	Kaneko et al.	
		5,854,364 A	12-29-1998	Senninger et al	
		5,886,118 A	03-23-1999	Percec	
		5,891,971 A	04-06-1999	Keoshkerian et al.	
		5,910,549 A	06-08-1999	Matyjaszewski, et al.	
		5,945,491 A	08-31-1999	Matyjaszewski et al.	
		5.998.537 A	12-07-1999	Good et al.	

Examiner	Date
Signature	Considered

*EXAMINER: hittle if reference considered, whether or not clastin is in conformance with MPEP 600. Draw line through clastion if not in conformance and not considered. Relative capt of this form with not communication to applicant. Applicant is unique clastical designation number (optional). See Kinds Codes of USPTO Plasten Documents at wow, useful communication of the year of the reference of the communication of the year of the region of the Emporer ownst procedure the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WiPO Standard ST.16 if possible. *Applicant is to place a check mark here if English Indiagonal Translation to attacked.

This collection of information is required by 37 CPR, 1.97 and 1.98. The information is required to obtain or retain a borntil by the yolido which is to the (and by the USPTO to process) an application. Confidentiality is governed by 30 U.S. C. 1.22 and 37 CPR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will every large to include a proper property of the complete depiction for the the USPTO. Time will every should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, Va. 22313-1450, DO.NOT. SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissions for the pleasts, P.O. Box 4459, Alexandria, Va. 22313-1450, DO.NOT. SEND FEES OR

Under the F	aperwork Reduction Act	of 1995, n	o persons are i	required to respond to a collection of inform	nation unless it contains a valid OMB control number.	
Substitute for form 1449/PTO				Complete if Known		
Substitute for for	m 1449/PTO			Application Number 10/591,426		
INFORMATION DISCLOSURE				Filing Date	06-13-2007	
STA	STATEMENT BY APPLICANT			First Named Inventor	K. Matyjaszewski	
				Art Unit	1796	
(use as many sheets as necessary)			ssary)	Examiner Name	M. Bernshteyn	
Sheet	3	of	20	Attorney Docket Number	050096PCTUS	

		Document Number	S. PATENT DO		
Examiner Initials*	Cite No.1	Number - Kind Code ² (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
		6,031,017 A	02-29-2000	Waki et al.	
		6,054,507 B1	04-25-2000	Funaki et al.	
		6,057,042 A	05-02-2000	Shimotsu	
		6,083,524 A	07-04-2000	Sawhney et al.	
		6,111,022 A	08-29-2000	Matyjaszewski et al.	
		6,114,448 A	09-05-2000	Derbes	
		6,114,482 A	09-05-2000	Senniger, et al.	
		6,121,371 A	09-19-2000	Matviaszewski et al.	
		6,124,411 A	09-26-2000	Matyjaszewski et al.	
		6,126,919 A	10-03-2000	Stefely et al.	
		6,143,848 B2	11-07-2000	Lee et al.	
		6,162,882 A	12-19-2000	Matyjaszewski et al.	
		6,191,197 B1	02-20-2001	Wang et al.	
		6,254,854 B1	07-03-1991	Edwards et al.	
		6,255,448 B1	07-31-2001	Grimaldi, et al.	
		6,288,186 B1	09-11-2001	Matyjaszewski et al.	
		6,310,149 B1	10-30-2001	Haddleton	
		6,326,455 B1	12-04-2001	Vassiliou et al.	
		6,407,187 B1	06-18-2002	Matyjaszewski et al.	
		6,512,060 B1	01-28-2003	Matyjaszewski et al.	
		6,534,610 B1	03-18-2003	Wilson et al.	
		6,538,091 B1	03-25-2003	Matyjaszewski et al.	
		6,541,580 B1	04-01-2003	Matyjaszewski et al.	
		6,565,763 B1	05-20-2003	Asakawa et al.	
		6.592,991 B1	07-15-2003	Wiesner et al.	
		6,624,262 B2	09-23-2003	Matviaszewski et al.	
		6,624,263 B2	09-23-2003	Matviaszewski et al.	
		6,627,314 B2	09-20-2003	Matyjaszewski et al.	
		6,670,299 B1	12-30-2003	Marks et al.	
		6,672,717 B2	01-06-2004	Smith	
		6.686.432 B2	02-03-2004	Coca et al.	

Examiner	Date
Signature	On aldered
Oignature	Considered

*EXAMINER: hillsi If reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Though copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See and not considered include copy of the form with next conformance and not continued to the conformance and not continued

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to find und by the USPTO to process) an application. Confidentiality is governed by \$8.U.S. C.122 and \$7.CFR 1.14. This concludes in settingth to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete is from anotive suggestions for reducing this burden, should be sent to CDMPLETED FORMS TO THIS ADDRESS. SENT DOT. Commissions for Patents, P.O. Box 41450, Alexandria, VA 22313-4450, Do. NOT SEMD FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT DOT. Commissions for Patents, P.O. Box 41450, Alexandria, VA 22313-4450, Do. NOT SEMD FEES OR

				uired to respond to a collection of information unless it contains a valid OMB control number Complete if Known		
Substitute for form 1449/PTO				Application Number	10/591,426	
INFO	ORMATION DISC	CLOSUR	E	Filing Date	06-13-2007	
STA	STATEMENT BY APPLICANT			First Named Inventor	K. Matyjaszewski	
				Art Unit	1796	
(use as many sheets as necessary)		Examiner Name	M. Bernshteyn			
Sheet	4	of 2	20	Attorney Docket Number	050096PCTUS	

	_	Document Number	S. PATENT DO		T D O.L
Examiner Initials*	Cite No.1	Number - Kind Code ² (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, When Relevant Passages or Relevar Figures Appear
		6,692,914 B1	02-17-2004	Klaerner et al.	
		6,737,488 B2	05-18-2004	Vanhoorne et al.	
		6,759,491 B2	07-06-2004	Matyjaszewski et al.	
		6,784,247 B2	08-31-2004	Rechenberg et al.	
		6,784,248 B2	08-31-2004	Coca et al.	
		6,790,919 B2	09-14-2004	Matyjaszewski et al.	
		6,887,962 B2	05-03-2005	Matyjaszewski et al.	
		7,018,655 B2	03-29-2006	Lele et al.	/-
		7,019,082 B2	03-28-2006	Matviaszewski et al.	
		7,037,992 B2	05-02-2006	Wilson et al.	
		7.049,373 B2	05-23-2006	Matviaszewski et al.	
		7,056,455 B2	06-06-2006	Matviaszewski et al.	
		7,064,166 B2	06-20-2006	Matylaszewski et al.	
		7.125.938 B2	10-24-2006	Matviaszewski et al.	
		7,157,530 B2	01-02-2007	Matviaszewski et al.	
		7,332,550 B2	02-10-2008	Matviaszewski et al.	
		7.572.874 B2	08-11-2009	Matyjaszewski et al.	
		7,678,869 B2	03-16-2010	Matyjaszewski et al.	
		2002/0026005 A1	02-28-2002	Munro	
		2003/0065389 A1	04-03-2003	Petersen	
		2003/0216528 A1	11-20-2003	Matyjaszewski et al.	
		2003/0236361 A1	12-25-2003	Wilson et al.	
		2004/0044152 A1	03-04-2004	Matyjaszewski et al.	
		2004/0171779 A1	09-02-2004	Matyjaszewski et al.	
		2004/0204556 A1	10-14-2004	Matyjaszewski et al.	
		2005/0090632 A1	04-28-2005	Matyjaszewski et al.	
		2006/0258826 A1	11-16-2006	Matviaszewski et al.	
		2007/0106012 A1	05-10-2007	Matyjaszewski et al.	
		2007/0155926 A1	07-05-2007	Matyjaszewski et al.	
		2007/0244265 A1	10-18-2007	Matyjaszewski et al.	
		2009/0171024 A1	07-02-2009	Jakubowski et al.	

Examiner	Date	
Signature	Considered	

*EXAMINET: Initial if refurence considered, whether or not cliation is in conformance with MPEP 609. Draw line through cliation if not in conformance and not considered. Hoteleacopy of this form with next communication to applicant. Applicant's unique clation designation number (optional) ³ See Kinds Codes of USPTO Patent Document with the conformance and the conformance of the conformanc

This collection of information is required by 3T CPR 1.97 and 1.98. The information is required to obtain or tratian a benefit by the public which is to fee and by the USPTO to process) an application. Confidentially is governed by \$5 U.S. C. 122 and \$7 CPR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, studied be sent to the Chief Information Officer, U.S. Patient and Trademark Office, P.O., Box 1450, Alexandria, VA 2231-31-450, DO NOT SEND PEED OR COMPLETED PORTIONS TO THIS ADDRESS. SENT DT COmmissioner for Petents, P.O. Box 1450, Alexandria, VA 2231-31-450.

Under the f	Paperwork Reduction Act	of 1995, n	o persons are	required to respond to a collection of inform	mation unless it contains a valid OMB control number		
				Complete if Known			
Substitute for form 1449/PTO				Application Number	10/591,426		
INFO	DRMATION DISC	cLosi	JRE	Filing Date	06-13-2007		
STATEMENT BY APPLICANT (use as many sheets as necessary)			ANT	First Named Inventor	K. Matyjaszewski		
				Art Unit	1796		
			ssary)	Examiner Name	M. Bernshteyn		
Sheet	5	of	20	Attorney Docket Number	050096PCTUS		

		U.:	S. PATENT DO	CUMENTS	
Examiner Initials*	Cite No.1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
		2009/0176951 A1	07-09-2009	Matylaszewski et al.	
		2009/0312505 A1	12-17-2009	Matyjaszewski et al. Matyjaszewski et al.	
	-				
	-				
	-				
	\vdash				
	1				

Examiner	Date
Signature	Considered

*EXAMINET: Initial If reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, holduse copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional), *See Kinds Codes of UISPTO Pearent Document, by the two-letter of the property of the pro

This collection of information is required by 37 CPR, 1.97 and 1.98. The information is required to betain or retain a bonefit by the public which is to file (and by the USPTO to process) an application. Confidentially is powered by 5.0 SC. 1.22 and 37 CPR 1.14. This coelection is estimated to take 2 hours to complete, including apthering, preparing, and submitting the completed application form to the USPTO 1.05 and the complete depreciation for the text (SPTO) and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the complete depreciation form to the USPTO 1.05 and the Complete form to the USPTO 1.05 and the Complete form to the USPTO 1.05 and th

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCI.

				Complete if Known		
Substitute for form 1449/PTO				Application Number	10/591,426	
INFORMATION DISCLOSURE				Filing Date	06-13-2007	
STATEMENT BY APPLICANT			ANT	First Named Inventor	K. Matyjaszewski	
				Art Unit	1796	
(use a	(use as many sheets as necessary)			Examiner Name	M. Bernshtevn	
Sheet 6 of 20		Attorney Docket Number	050096PCTUS			

		FOREIGN PAT	ENT DOCUM	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т
		CA 2209061 (English abstract)	02-28-1998	Elf Atochem		$^{+}$
		CN 1165828A (English abstract)	11-26-1997	Huadong University		$^{+}$
		EP 0265091 A1	04-27-1988	E.I. Du Pont		$^{+}$
		EP 0341012 A2	11-08-1989	Edison Polymer Innovation Corp		T
		EP 0434438 A	06-26-1991	Ceskoslovenska		+
		EP 0457916 A	11-27-1991	Eisai Co. Ltd.		$^{+}$
	-	EP 0789036 A1	08-13-1997	Kaneka Corp		+
		EP 0816385 A1	01-07-1998	Kaneka Corp		+
		EP 0824110 A1	02-18-1998	Lecomte		+
		EP 0824111 A1	02-18-1998	Senninger		t
		EP 0826698 A1	03-04-1998	Senninger		t
		EP 0832902 A2	04-01-1998	Grimaldi		t
		EP 0870809 A2	10-14-1998	Fuji Photo Film Co.		t
		JP 6322171 A	11-22-1994	Mitsul Petrochem Ind. Inc.		T
		W0 00/56795 A1	09-28-2000	Carnegie Mellon Univ		T
		WO 00/47634 A1	08-17-2000	Ineos Acrylics UK		t
		WO 00/75198	12-14-2000	Univation Technologies, LLC		T
		WO 2003/097107 A	11-27-2003	Nitto Denko Corp.		T
		WO 2004/041972 A	05-21-2004	Honeywell Int. Inc.		t
		WO 2007/025086 A2	03-01-2007	Carnegie Mellon Univ		
		WO 2007/059350 A2	05-24-2007	Carnegie Mellon Univ		Γ
		WO 2008/057163 A2	05-15-2008	Carnegie Mellon Univ		
		WO 2008/148000 A1	12-04-2008	Carnegie Mellon Univ		T

Examiner	Date
Signature	Considered

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant! "Applicants unique citation designation number (explored)." See Face Copy of the Cop

This collection of information is required by 37 CPR, 1.97 and 1.98. The information is required to behalf or testion a benefit by the guide which is to file (and by the LISPTO to process) an application. Confidentiality is powered by 8.1 U.S. 1.22 and 37 CPR 1.14. This collection is estimated to bala 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Three without one individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to Chef Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissions for the patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons		
Substitute for form 1449/PTO		nplete if Known
Substitute for form 1449/PTO	Application Number	10/591,426
INFORMATION DISCLOSURE	Filing Date	06-13-2007
STATEMENT BY APPLICANT	First Named Inventor	K. Matyjaszewski
	Art Unit	1796
(use as many sheets as necessary)	Examiner Name	M. Bernshteyn
Sheet 7 of 20	Attorney Docket Number	050096PCTUS

		FOREIGN PAT	ENT DOCUM	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
		WO 2009/023353 A9	02-19-2009	Carnegie Mellon Univ		T
		WO 2009/111725 A1	09-11-2009	Carnegie Mellon Univ		Т
		WO 97/18247	05-22-1997	Carnegie Mellon Univ		-
		WO 97/47661 A1	12-18-1997	University of Warwick		
		WO 98/01480	01-15-1998	Carnegie Mellon Univ		r
		WO 98/06758 A1	02-19-1998	E.I. Du Pont		⊢
		WO 98/20050 A2	05-14-1998	E.I. Du Pont		-
		WO 99/28352	06-10-1999	University of Warwick		Г
						_
						П
						F
						-
						_
						_
	_					
						_

Examiner	Date
Signature	Considered

*EXAMINET: Initial If refurence considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not contribute, located and post in the form with next communication to applicant." Applicant is unique citation designation number of contribute properties of the citation of the contribute properties. The citation designation number of the citation of the citation designation number of the citation of the

This collection of information is required by 3T CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public velocit is to the quid by the USPTO to process) an application. Confidentially is governed by 38 U.S. (1.22 and 37 CFR 1.14. This collection is estimated to be a 5 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burder, should be sent to the Chief information Officer, U.S. Pattert and Trademark Officer, O. Box 1450, Alexandria, VA 2231-31-450, DO NOT SEND FEES OR OWNER TERP FORMS TO THIS ADDRESS. SEND TO: Commissioner for pretains, P.O. Box 1450, Alexandria, VA 2231-31-450, 2231-31-450.

Approved for use through 07/31/2012. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

				equired to respond to a collection of information unless it contains a valid OMB control number Complete if Known		
Substitute for form 1449/PTO				Application Number	10/591,426	
INFORMATION DISCLOSURE				Filing Date	06-13-2007	
STA	STATEMENT BY APPLICANT			First Named Inventor	K. Matyjaszewski	
				Art Unit	1796	
(use as many sheets as necessary)			ssary)	Examiner Name	M. Bernshteyn	
Sheet	8	of	20	Attorney Docket Number	050096PCTUS	

		NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.1	No. 1 Item (book, magazine, journal, senal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
		ANNENKOV et al., Poly-C-vinyltetrazoles: A New Type of Polyacid, Journal of Polymer Science Part A: Polymer Chemistry, 1993, pp. 1903-1906, Vol. 31(7).							
		ASSCHER et al., Chlorine-Activation by Redox-Transfer, Part IV, The Addition of Sulphonyl Chlorides to Vinylic Monomers and Other Olefins, Journal of the Chemical Society, 1964, pp. 4962-4971.							
		BAMFORD, Comprehensive Polymer Science (First Supplement), eds., Pergamon: Oxford vol. 3., p. 123 (1991).							
		BELLUS, Pure & Appl. Chem. 57, 1827 (1985).							
		BLEDZKI, et al., Makromol. Chem. 184, 745 (1983).							
		BRITTAIN et al., Makromol. Chem., Macromol. Symp. 67, pp. 373-386 (1993), "Termination Processes in Group Transfer Polymerization".							
		BYWATER, Makromol. Chem., Macromol. Symp. 67, pp. 339-350 (1993), "Group Transfer Polymerization - A Critical Overview".							
		CARNAHAN et al., Synthesis and Characterization of Poly(glycerol-succinic acid) Dendrimers, Macromolecules, 2001, pp. 7648-7655, Vol. 34(22).							
		CARTER et al., Polyimide Nanofoams From Phase-Separated Block Copolymers, Electrochemical Society Proceedings, 1997, pp. 32-43, Vol. 97(8), Electrochemical Society, Pennington, NJ, US.							
		CARUSO, Nanoengineering of Particle Surfaces — Adv. Mater. 2001, 13, No. 1, Jan. 5, 11-22 — Wiley.—VCH Verlag GmbH.D-69469 Weinheim, 2001.							
		CATALA, et al., Macromolecules, 1995, 28, 8441.							
		Chemical Abstracts, Vol. 85, 1976, pp. 20.							

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

EARMINEST. Iffilial is related to considerate, whether of not-called in a constraint. With mixture of the constraint of complete, including gathering streeting, and stay into effective days. Sci. 122 and or U.H. 1.16. This collection is estimated to lake 2 hours to complete, including gathering streeting, and stay into extending the complete streeting and stay of the complete streeting and streeting and stay of the complete streeting and streeting

Approved for use through 07/31/2012. OMB 0851-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number Complete if Known Substitute for form 1449/PTO Application Number 10/591,426 INFORMATION DISCLOSURE Filing Date 06-13-2007 First Named Inventor STATEMENT BY APPLICANT K. Matyjaszewski 1796 (use as many sheets as necessary) Examiner Name M. Bernshteyn Sheet 9 of 20 Attorney Docket Number 050096PCTUS

		NON PATENT LITERATURE DOCUMENTS	_			
Examiner Initials*	No. 1 Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
		CHEN et al., Pryolytic Behavior and In-Situ Paramagnetism of Star-like C60(CH3)x(PAN)xcopolymers, European Polymer Journal, 1998, pp. 421-429, Vol. 34(3-4), Elsevier Science Ltd., Oxford, GB.				
		COCA et al., Polymerization of Acylates by Atom Transfer Radical Polymerization. Homopolymerization of 2-Hydroxyethyl Acylate, Journal of Polymer Science, Part A: Polymer Chemistry, 1998, pp.1417-1424, Vol. 36.				
		COHEN, et al., Inorg. Chem. 13, 2434 (1974).				
		COLLMAN et al., "Clicking" Functionality onto Electrode Surfaces, Langmuir, 2004, pp. 1051-1053, Vol. 20.				
		Copolymerization, pp. 237-257.				
		CURRAN, et al., Comprehensive Organic Synthesis, eds., Pergamon: Oxford vol. 4, p. 715 (1991).				
		CURRAN, et al., J. Am. Chem. Soc. 116, 4279 (1994).				
		CURRAN, et al., J. Org. Chem., 54, 3140 (1989).				
		CURRAN, Synthesis, 489 (1988).				
		DARKOW et al., "Synthesis, Photomodification and Characterization of Homo- and Copolymers with 2,5-bisarytetrazolyl Pendant Groups", Reactive and Functional Polymers, 1997, pp. 195-207, Vol. 32(2).				
		DAVIES, "Reactions of L-ascorbic acid with transition metal complexes," Polyhedron, 1992, 11, 285-321.				
		DE VRIES, et al., "The Effect of Reducing Monosaccharides on the Atom Transfer Radical Polymerization of Butyl Methacrylate," Macromol. Chem. Phys., 2001, 202, 1645-1648.				

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This

collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to USP/10 to process) an application. Commensions in governed by 3s U.S.C.: 122 and 37 CPR 1.14. This collection is estimated to last 2 hours to complete dapsidation from the talk 2PDC. There with vary depending upon the included information of the control of the

Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO				Complete if Known		
Substitute for form	1 1449/PTO			Application Number	10/591,426	
INFO	RMATION DISC	LOSI	JRE	Filing Date	06-13-2007	
STAT	STATEMENT BY APPLICANT			First Named Inventor	K. Matyjaszewski	
				Art Unit	1796	
(use as	many sheets as	nece	ssary)	Examiner Name	M. Bernshteyn	
Sheet	10	of	20	Attorney Docket Number	050096PCTUS	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, of	T ²
		DEMKO et al., A Click Chemistry Approach to Tetrazoles by Huisgen 1,3-Dipolar Cycloaddition: synthesis of 5-Acyltetrazoles from Azides and Acyl Cyanides, Angewandte Chemie, International Edition, 2004, pp. 2113-2116, Vol. 41(12).	
		DREEZEN, et al., "Nano-Structured Polymer Blends: Phase Structure, Crystallisation Behaviour and Semi-Crystalline Morphology of Phase Separated Binary Blends of Polyethyleneoxide) and Poly(ether sulphone)", Polymer, Elsevier Science Publishers B.V., GB, vol. 41, No. 4, Feb. 2000, pp. 1395-1401.	
		DRULINER, Macromolecules, 24, 6079 (1991).	
		ENDO, et al., Macromolecules, 25, 5554 (1992).	
		FENG, "Synthesis and Free Radical Polymerization of 2-oxo-3-methylene-5-phenyl-1,4-dioxan." Chinese Journal of Polymer Science, 1993, 11, 2, pp. 153-157).	
		FISCHER, Am. Chem. Soc. 1986, 108, 3925.	
		FUKUDA, et al, Chem. Letters, 1996, 4, 293.	
		FUKUDA, et al., Macromolecules, 1996, 29, 3050.	
		GAYNOR, et al., Polym. Prep. (Am. Chem. Soc. Polym. Chem. Div.), 36(1), 467 (1995).	
		GEORGES, et al., Macromolecules 1993, 26, 2987.	
		GEORGES, et al., Macromolecules 1994, 27, 7228.	
		GEORGES, et al., Macromolecules, 1993, 26, 5316.	

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This

collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENDTO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO Application Number 10/591.426 Filing Date INFORMATION DISCLOSURE 06-13-2007 First Named Inventor STATEMENT BY APPLICANT K. Matyjaszewski Art Unit 1796 (use as many sheets as necessary) Examiner Name M. Bernshtevn Attorney Docket Number Sheet of 050096PCTUS

	,	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
		GILBERT & WILLIAMS, Reactivity Ratios of Conjugated Dienes Copolymerized in Emulsion at 5*, J. Am. Chem. Soc. 74, (1952), 4114-4118.	
		GNANOU et al., "Effect of Phenol and Derivatives on Atom Transfer Radical Polymerization in the Presence of Air," Journal Polymer Science, Part A: Polymer Chemistry, 2004, 42, 351-359.	
		GRANEL et al., Controlled Radical Polymerization of Methacrylic Monomers in the Presence of Bis(ortho-chelated) Arylnickel (II) Complex and Different Activated Alkyl Halides, Macromolecules, 1996, pp. 8576-8582, Vol. 29(27).	
		GRAYSON et al., Convergent Dendrons and Dendrimers: From Synthesis to Applications, Chemical Reviews, 2001, pp. 3819-3867, Vol. 101(12).	
		GRESZTA et al., Gradient Copolymers of Styrene and Acrylonitrille Via Atom Transfer Radical Polymerization, Polymer Preprints, 1997, pp. 709-710, Vol 38(1).	
		GRESZTA, et al., Macromolecules, 27, 638 (1994)	
		GROMADA et al., Simultaneous Reverse and Normal Initiation in Atom Transfer Radical Polymerization, Macromolecules, 2001, pp. 7664-7671, 34(22).	
		HAWKER et al., The Convergent-Growth Approach to Dentritic Macromolecules, Advances in Dendritic Macromolecules, 1995, pp. 1-39, Vol. 2.	
		HAWKER, "Molecular Weight Control by a Living Free Radical Polymerization Process", Journal American Chem. Society, 1994, vol. 116, pp. 11185-11186.	
		HAWKER, et al., Macromolecules, 1996, 29, 2686.	
		HAYES, et al., J. Am. Chem. Soc. 110, 5533 (1988).	
		HEDRICK et al., (Dendrimer-like Star Block and Amphiphlic Copolymers by Combination of Ring Opening and Atom Transfer Radicat Polymerization). Macromolecules, 1998, 31, 8671-8705.	

Date
Considered

[&]quot;EXAMINER: nitital if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered, include copy of this form with next commication to applicant and not considered, include copy of this form with next commication to applicant and not considered. Include capture of the property of

[^] Applicant's unique citation designation number (optional), ^ Applicant is to place a cheek mark here if English language Translation is statuched. This condication of information is required by 37 oFER 1.9. If information is required by 37 oFER 1.9. If information is required by 37 oFER 1.9. If it is considered not information is required by 37 oFER 1.9. If it is considered not information is required by 38 U.S.C. 122 and 37 oFER 1.1. This collection is estimated to take 2 hours to complete injustioning grathering, preparing, and sustmitting the completed application from the text SEPTO. Time will vary depending upon the information from the USPTO. Time will vary depending upon the information officer I.S. Pastent and Trademark Office, P.O. Box 1450, Alexandria, VA. 2213-1450, DO NOT END FEES OR COMPLETED FORMS THIS ADDRESS SEMPTO: Commissioner for Pattern P.O. Box 1450, Alexandria, VA. 2213-1450.

Hodor the Donosueric Badrieties, Ast of 4005, as assessed

				Complete If Known		
Substitute for fo	m 1449/PTO			Application Number	10/591,426	
INFO	DRMATION E	ISCLOS	JRE	Filing Date	06-13-2007	
STA	STATEMENT BY APPLICANT			First Named Inventor	K. Matyjaszewski	
				Art Unit	1796	
(use a	s many sheet	s as nece	ssary)	Examiner Name	M. Bernshtevn	
Sheet	12	of	20	Attorney Docket Number	050096PCTUS	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		HELMS et al., Dendronized Linear Polymers via "Click Chemistry", Journal of the American Chemical Society, 2004, pp. 15020-15021, Vol. 126(46).	
		HEUTS et al., "Atom transfer radical polymerization in the presence of a thiol: more evidence supporting radical intermediates," Macromol. Chem. Phys., 1999, 200, 1380-1385.	
		HIRAO, et al., J. Synth. Org. Chem. (Japan), 52(3), 197 (1994).	
		HIRAO, et al., Syn. Lett. 217 (1990).	
		IHRE et al., Fast and Convenient Divergent Synthesis of Aliphatic Ester Dendrimers by Anhydride Coupling, Journal of the American Chemical Society, 2001, pp. 5908-5917, Vol. 123(25).	
		IQBAL, et al., Chem. Rev. 94, 519 (1994).	
		JAKUBOWSKI et al., "Activators Regenerated by Electron Transfer for Atom Transfer Radical Polymerization of Styrene," Macromolecules, 2006, 39, 39-45.	
		J-F. LUTZ et al., Synthesis and Properties of Copolymers with Tailored Sequence Distribution by Controlled/Lining Radical Polymerization, in ACS Symposium Series, Advances in Controlled/living Radical Polymerizations, American Chemical Society Division of Polymer Chemistry, 2003, Chapter 19, pp. 268-262, Vol. 884.	
		JO et al., Effects of Various Copper Salts and Additives on Polymerization of Acrylonitrile by Atom Transfer Radical Polymerization, Polymer Preprints, 1997, pp. 699-700, Vol. 38(1).	
		JO et al., Polyacrylonitrile with Low Polydispersities by Atom Transfer Radical Polymerization, Polymer Preprints, 1997, pp. 697-698, Vol. 38(1).	
		KAMIGATA, et al., Novel Perfluoroalkylation of Alkenes with Perfluoroalkanesulphonyl Chlorides Catalysed by a Ruthenium (II) Complex, Journal of the Chemical Society, Perkins Transactions 1, 1991, pp. 627-633.	
		KATO, et al., Macromolecules, 28, 1721 (1995).	

	The state of the s		
Examiner		Date	
Signature		Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance

EARMINEST: fillial if relations considered, whiching or not citation is in conformance with MPEP 689. Draw line through citation for incl conformance of the conformance with MPEP 689. The conformance will be conformance with MPEP 689. Draw line through citation designation is attached. This oblication of information is required by 3.0 FeR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO or process) an application. Conformation is required by 3.0 FeR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO or process) an application. Conformation lay sourced by 3.0 LPG 1.22 and 3.7 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USFTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the full information officer. U. S. Patent and Trademark Office, P.O. Box 1450, Alexandria, Va 2231-31450. D. NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENDTO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2012, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

				Complete if Known		
Substitute for fo	rm 1449/PTO			Application Number	10/591,426	
INF	ORMATION DI	SCLOS	JRE	Filing Date	06-13-2007	
STA	STATEMENT BY APPLICANT			First Named Inventor	K. Matyjaszewski	
				Art Unit	1796	
(use a	s many sheets	as nece	ssary)	Examiner Name	M. Bernshteyn	
Sheet	13	of	20	Attorney Docket Number	050096PCTUS	

-		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		KIZHNYAEV et al., Vinyltetrazoles: Synthesis and Properties, Russian Chemical Reviews, 2003, pp. 143-164, Vol. 72(2).	
		KOLB et al., Click Chemistry: Diverse Chemical Function from a Few Good Reactions, Angewandte Chemie, International Edition, 2001, pp. 2004-2021, Vol. 40(11).	
		KOWALEWSKI et al., Advances in Nanostructored Carbons from Block Copolymers Prepared by Controlled Radical Polymerization Techniques, in Controlled Radical Polymerization. From Synthesis to Materials, American Chemical Society Division of Polymer Chemistry, 2005, Chapter 21, pp. 295-310, Vol. 944.	
		KWAK et al., "ARGET ATRP of methyl methacrylate in the presence of nitrogen-based ligands as reducing agents," Polym. Int. 2009, 58, 242-247.	
		LEDUC et al., also in-house computer search of same Asnwer 3 of 19 abstract, p. 41, J. Am. Chem. Soc. 1996, 118, 11111-11118.	
		LEE, et al., J. Chem. Soc. Trans., Faraday Soc. I, 74, 1726 (1978).	
		LEWIS, et al., Copolymerization VII, Copolymerization of Some Further Monomer Pairs, April 1948, pp. 1527-1529.	
		LI, et al., ASC Polym. Preprints, 1995, 36(1), 469.	
		Ligane, "Interpretation of the Polarographic Waves of Complex Metal Ions," Chem. Rev. 1941, 29, 1.	
		MAJORAL et al., Dendrimers Containing Heteroatoms (Si, P, B, Ge, or Bi), Chemical Reviews, 1999, pp. 845-880, Vol. 99(3).	
		MAKINO et al., Controlled Atom Transfer Radical Polymerizations of Methyl Methacrylate Under Micellar Conditions, Polymer Preprints, 1988, pp. 288-289, Vol. 39(1).	
		MARAVAL et al., "Lego" Chemistry for the Straightforward Synthesis of Dendrimer, Journal of Organic Chemistry, 2003, pp. 6043-6046, Vol. 68(15).	

Examiner	Date
Signature	Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

Examinance: Irrisal infesions contributing on the classification in conformation with MPEP 689. Draw line through classification in conformation with MPEP 689. Draw line through classification is conformation in conformation in conformation in conformation in conformation in conformation in conformation is required by 3.4 popularisal training calculation designation on number (opinional). Applicant is pulsed as check mark force if English analogue Translation is attached. This collection of information is required by 3.5 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USFT to process) an application. Conformation lay one with by 3.5 CFR 1.2 and 37 CFR 1.4. This collection is estimated to take 5 hours to USP1 to process) an appreasant. Commontaining is governed by 30 U.S.L. 122 and 37 CHY. I.M. Into consciouts a summator to save Arous to complete, including aghering, preparing, and submitting the completed application from the but SPTC. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer. U.S. Patent and Trademark Office, P. Dos 1450, Meanardin, V.A. 2231-31450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENDTO: Commissioner for Patents, P.O. Box 1450, Alexandria, V.A. 22313-1450.

PTO/SB/08b (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Linder the Department Reduction Act of 1006, no persons are year

					nplete if Known
Substitute for form 1449/PTO				Application Number	10/591,426
INFO	RMATION DISC	CLOS	JRE	Filing Date	06-13-2007
STA [*]	STATEMENT BY APPLICANT			First Named Inventor	K. Matyjaszewski
				Art Unit	1796
(use as many sheets as necessary)				Examiner Name	M. Bernshteyn
Sheet	14	of	20	Attorney Docket Number	050096PCTUS

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		MARDARE, et al., ACS Polymer Preprints 1994, 35(1), 778.	
		MARDARE, et al., Macromolecules, 27, 645 (1994).	
	1	MARDARE, et al., Polym. Prep. (ACS), 36(1), 700-701 (1995).	
		MARESTIN et al., Nitroxide Mediated Living Radical Polymerization of Styrene in Emulsion, Macromolecules, 1998, pp. 4041-4044, Vol. 31(12).	
		MATTHEWS et al., Dendrimers-Branching out from Curiosites into New Technologies, Progress in Polymer Science, 1998, pp. 1-56, Vol. 23.	
		MATYJASZEWSKI ed., Controlled/"Living" Radical Polymerization. Progress in ATRP, NMP, and RAFT, in: ACS Symposium Ser., 2000, Chapter 19, Reverse Atom Transfer Radical Polymerization Using AIBN or BPO as Initiator, pp. 283-275.	
		MATY/ASZEWSKI et al., (Structural Control of Poly(Methyl Methacrylate)-g-poly(Lactic Acid) Graft Copolymers by Atom Transfer Radical Polymerization (ATRP). Macromolecules 2001, 34, 6243-6248.	
		MATYJASZEWSKI et al., "Controlled/Living' Radical Polymerization. Kinetics of the Homogeneous Atom Transfer Radical Polymerization of Styrene," J. Am. Chem. Soc., 1997, 119, 674-680.	
		MATYJASZEWSKI et al., Atom Transfer Radical Polymerization, Chemical Reviews, 2001, pp. 2921-2990, Vol. 101(9).	
		MATYJASZEWSKI et al., Controlled/'Living" Radical Polymerization of Styrene and Methly Methacrylate Catalyzed by Iron Complexes1, Macromolecules, 1997, pp. 8161–8164, Vol. 30(26).	
		MATYJASZEWSKI et al., Controlled/Living Radical Polymerization: State of the Art in 2002, in ACS Symposium Series, Advances in Controlled/living Radical Polymerizations, American Chemical Society Division of Polymer Chemistry, 2003, Chapter 1, pp. 2-9, Vol. 854.	
		MATYJASZEWSKI et al., Controlled/Living Radical Polymerization: State of the Art in 2005, in Controlled Radical Polymerization: From Synthesis to Materials, American Chemical Society Division of Polymer Chemistry, 2005, Chapter 1, pp. 2-12, Vol. 944,	

Examiner		Date	
Signature	+	Considered	1

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

"EXAMINET: Initial if reterence considered, whether or not crisions in it currently to the interference considered, whether or not crisions in it currently to the interference considered, which is on the considered and not considered. Include copy of this form with next communication to applicant.

Applicant's unique clation designation number (optional). "Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.8. "In collection of information is required by 37 CFR 1.9." In collection if continued in the collection of information is required by 37 CFR 1.9. "In Charlest on the collection in collection is estimated to that or the collection is estimated to that or the collection is estimated to that or the collection is estimated to that a house the collection is estimated to that or the collection is estimated to that or house the collection is estimated to the coll USPTO to process) an application. Commentainly is governed by 30 U.S.L. 122 and 37 U.Y.R. 1.4. Inst collection is estimated to use of flowers upon the following againsting, preparing, and submitting the completed application from the bit 1987.0 Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form anotify suggestions for reducing this burden, should be sent to the Chief Information Officer. U.S. Patent and Trademark Office. P. Dos 1450, Alexandria, Va. 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENDTO: Commissioner for Patents, P.O. Box 1450, Alexandria, Va. 22313-1450.

Substitute for form 1449/PTO				Complete if Known		
				Application Number	10/591,426	
INFO	DRMATION DISC	CLOSI	JRE	Filing Date	06-13-2007	
STA	STATEMENT BY APPLICANT			First Named Inventor	K. Matyjaszewski	
				Art Unit	1796	
(use as many sheets as necessary)			ssary)	Examiner Name	M. Bernshteyn	
Sheet	14	of	20	Attorney Docket Number	050096PCTUS	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		MATYJASZEWSKI et al., Zerovalent Metals in Controlled/"Living" Radical Polymerization, Macromolecules, 1997, pp. 7348-7350, Vol. 30(23).	
		MATYJASZEWSKI, "The Importance of Exchange Reactions in the Controlled/Living Radical Polymerization in the Presence of Alkoxyamines and Transition Metals", Macromolecule Symposium, 1996, vol. 111, pp.47-61.	
		MATYJASZEWSKI, "Radical Nature of Cu-Catalyzed Controlled Radical Polymerizations (Atom Transfer Radical Polymerization)," Macromolecules, 1998, 31, 4710-4717.	
		MATYJASZEWSKI, Controlled Radical Polymerization, American Chemical Society Division of Polymer Chemistry, 1998, ACS Symposium Series, Ch. 1, pp. 2-30. Vol. 685.	
		MCCARTHY et al., Grafting Chromatographic Stationary Phase Substrates by Atom Transfer Radical Polymetrazition, in Controlled Radical Polymetrazition: From Synthesis to Materials. American Chemical Society Division of Polymer Chemistry, 2005, Chapter 18, pp. 252-268, Vol. 944.	
	-	MITANI, et al., J. Am Chem. Soc. 105, 6719 (1983).	
		NAGASHIMA, J. Org. Chem. 57, 1682 (1992).	
		NAGASHIMA, J. Org. Chem. 58, 464 (1993).	
		NISHIKAWA et al., Evidence for Living Radical Polymerization of Methyl Methacrylate with Ruthenium Complex: Effects of Protic and Radical Compounds and Reinitiation from the Recovered Polymers, Macromolecules, 1997, pp. 2244-2248, Vol. 30(8). ODELL, et al., Macromolecules, 1995, 28, 8433.	
		ODIAN, Principles of Polymerization, Third Edition, John Wiley & Sons, p. 205-233 (1991).	
		OROCHOV et al., Redox-Transfer, Part VI, Determination of Hammet's P-Constant for the Oxidation of Cuprous Chloride by Aromatic Sulphonyl Chlorides, Journal of the Chemical Society (8), (1969), pp. 256-259.	

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

**EAMMINED in a returence consequence, whenever or not causon is an comportance with Mirer you. Uraw when through dataset in commitment of an end conditional, include copy of this form with net commitment to high place affects may be required in the formation of the committee of the place affects may be required in the place of the committee of the place affects may be placed in the place of USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual Complete, including graining, preparing, and automating are complete or spinceautrion in the Co. 10. In the way or operating upon an including case, any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENDTO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are requ

	ubelitute for form 1440/PTO			Complete if Known		
Substitute for form 1449/PTO				Application Number	10/591,426	
INFO	DRMATION	DISCLOS	JRE	Filing Date	06-13-2007	
STA	STATEMENT BY APPLICANT (use as many sheets as necessary)			First Named Inventor	K. Matyjaszewski	
				Art Unit	1796	
(use a				Examiner Name	M. Bernshtevn	
Sheet	16	of	20	Attorney Docket Number	050096PCTUS	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-Issue number(s), publisher, city and/or country where published.	T²
		OROCHOV, et al., J. Chem. Soc., Perkin II, 1000 (1973).	
		ORR, Thermochemical Aspects of Butadiene-Styrene Copolymerization, 1960, pp. 74-82.	
		OTSU, et al., Chem. Express 5(10), 801 (1990).	
		OTSU, et al., New Initiator Systems for Radical Polymerization of Vinyi Monomers, Polymer Letters, 1967, pp. 697-701, Vol. 5.	
		OTSU, et al., Synthesis, Reactivity, and Role ofVinylbenzyl N,N-Diethyldithiocarbamate as a Monomer-Iniferter in Radical Polymerization, Macromolecules, 1986, pp. 287-290, Vol. 19(2).	
		PAKUKA et al., Polymers, Particles, and Surfaces with Hairy Coatings: Synthesis, Structure, Dynamics, and Resulting Properties, in ACS Symposium Series, Advances in Controlled/living Radical Polymerizations, American Chemical Society Division of Polymer Chemistry, 2003, Chapter 26, pp. 366-382, Vol. 864.	
		Part 2, Controlled "Living" Emulsion Polymerization of Methyl Methacrylate by Atom Transfer Radical Polymerization, pp. 90-134.	
		PATTEN et al., Atom Transfer Radical Polymerization and the Synthesis of Polymeric Materials, Advanced Materials, 1998, pp. 901-915, Vol. 10(12).	
		PATTEN et al., Polymers with very Low Polydispersities from Atom Transfer Radical Polymerization, 1996, Science, pp. 866-868, Vol. 272.	
		PCT International Search Report for International Application No. PCT/US05/07264 filed 12 June 2005, mailed 05 July 2005.	
		PERCEC et al., "Living" Radical Polymerization of Styrene Initiated by Arenesulfonyl Chlorides and Cu'(bpy) _n Cl, Macromolecules, 1995, pp. 7970-7972, Vol. 28(23).	

Examiner	Date
Signature	Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

Exhaunce: initial interference consistentia, while it is not obtained in an obtainance with MPEP 609. Draw line through citation from from and not considered. Include copy of this form with next communication to applica active. It may be referred to the property of the control of the property of the public which is to file (and by the USPTO to process) an application. Confideratingly is governed by 35 U.S. C. 122 and 37 CPR 1.9. If This collection is estimated to estimate the property of the public which is to file (and by the USPTO to process) an application. Confideratingly is governed by 35 U.S. C. 122 and 37 CPR 1.9. If This collection is estimated to leave 2 hours to complete, mobiling gathering, preparing, and submittingly the completed application from the USPTO. Time will wantly depending upon the individual Complete, including generaling, preparing, and submining are completed application form to the Conf. The way representing upon the monotonial case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burners, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENDTO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Linder the Panerwork Reduction Act of 1995, no persons are require

	Substitute for form 4.440/DTO			Complete if Known		
Substitute for for	Substitute for form 1449/PTO			Application Number	10/591,426	
INFO	DRMATION DISC	CLOS	JRE	Filing Date	06-13-2007	
STA	STATEMENT BY APPLICANT			First Named Inventor	K. Matyjaszewski	
				Art Unit	1796	
(use a	s many sh eets as	s nece	ssary)	Examiner Name	M. Bernshteyn	
Sheet	17	of	20	Attorney Docket Number	050096PCTUS	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		PERCEC et al., Metal-Catalyzed "Living" Radical Polymerization of Styrene Initiated with Arenesulfonyl Chlorides. From Heterogeneous to Homogeneous Catalyses, Macromolecules, 1996, pp. 3665-3668, Vol. 29(10).	
		PERCEC et al., Self-Regulated Phase Transfer of Cu ₂ O/bpy, Cu(0)/bpy, and Cu ₂ O(Cu(0)/bpy Catalyzed "Living" Radical Polymerization Initiated with Sulfonyl Chlorides, Macromolecules, 1998, pp. 4053-4056, Vol. 31(12).	
		PINTAUER et al., Toward Structural and Mechaniste Understanding of Transition Metal-Catalyzed Atom Transfer Radical Processes, in ACS Symposium Series, Advances in Controlled/living Radical Polymertzations, American Chemical Society Division of Polymer Chemistry, 2003, Chapter 10, pp. 130-147, Vol. 854.	
		PUNNA et al., Click Chemistry in Polymer Synthesis, Polymer Preprints, 2004, pp. 778-779, Vol. 45(1).	
		PUTS, et al., Macromolecules, 1996, 29, 3323.	
		QIU et al., Cyclic Voltammetric Studies of Copper Complexes Catalyzing Atom Transfer Radical Polymerization, Macromolecular Chemistry and Physics, 2000, pp. 1625-1631, Vol. 201(14).	
		QUEFFELEC et al., Optimization of Atom Transfer Radical Polymerization Using Cu(I)/Tris(2-(dimethylamino)ethyl)amine as a Catalyst, Macromolecules, 2000, pp. 8629-8639, Vol. 33.	
		QUIRK et al., Makromol. Chem., Macromol. Symp. 67, pp. 351-363 (1993), "Mechanistic Aspects of Group Transfer Polymerization".	
		RICHARD et al., Acrylate-Based Block Copolymers Prepared by Atom Transfer Radical Polymerization as Matrices for Drug Delivery Applications, in Controlled Radical Polymerization: From Synthesis to Materials, American Chemical Society Division of Polymer Chemistry, 2005, Chapter 17, pp. 234-251, Vol. 944.	
		S.A.F. BON et al., Controlled Radical Polymerization in Emulsion, Macromolecules, 1997, pp. 324-326, Vol. 30(2).	
		SAMUNI et al., "On the cytotoxicity of vitamin C and metal ions," European Journal of Biochemistry, 1983, 137. 119-124.	
		SCHUBERT et al., Design of Effective Systems for Controlled Radical Polymerization of Styrene: Application of 4,4"—Dimethyl and 5,5"—Dimethyl 2,2"—Bipyridine Coppertii) Complexes, Macromolecular Rapid Communication, 1999, pp. 351-355, Vol. 20.	

Examiner	Date
Signature	Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance

**EAAMINEX: misal in reterence consequence, wintered or not clearup is an output missing with missing consistency with a proving continuation to applicant, and not considered. Include copy of this form with next communication to applicant, and not considered. Include copy of this form with next communication to applicant, and not considered. Include copy of this form with next communication applicant, and not considered. Include copy of the significant is not place a check mark here if English language Translation is applicant by 37 CFR 19.1. The information is required by 37 CFR 19.1. The public which is to fill (end by the USFTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.1.4. This collection is estimated to take 2 hours to OSF 10 to process an application. Londer-belland is governed by 39 U.S.C. 122 and 37 OFR 1.14. This collection is estimated to size 2 hours to Compare the Compared to the Com

Approved for use through 07/31/2012. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the P	aperwork Reduction Act of	at 1995, n	o persons are re	equired to respond to a collection of inform	mation uniess it contains a valid OMB control number	
				Complete if Known		
Substitute for form 1449/PTO				Application Number	10/591,426	
INFO	RMATION DISC	CLOSI	JRE	Filing Date	06-13-2007	
STA [*]	STATEMENT BY APPLICANT			First Named Inventor	K. Matyjaszewski	
				Art Unit	1796	
(use as many sheets as necessary)				Examiner Name	M. Bernshteyn	
Sheet 18 of 20				Attorney Docket Number	050096PCTUS	

		NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	
Examiner Initials*	Cite No.1	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		SCHULZ & MILKOVICH, Relative Reactivities and Graft Distributions of Polystyrene Macromers in Vinyl Chloride Copolymerization, Polymer International, 1994, pp. 141-149, Great Britain.	
		SEIJAS, et al., Tetrahedron, 48(9), 1637 (1992).	
		SHEN, et al., Supported Atom Transfer Radical Polymerization of Methyl Methacrylate Mediated by CuBR-Tetraethyldiethylenetriamine Graffed onto Silica Gel - Journal of Polymer Science: Part A: Polymer Chemistry, vol. 39, 1051-1059 (2001), John Wiley & Sons, Inc.	-
		STILLE et al., Synthesis and Copolymerization of Styryl-Substituted Tetrazoles. Thermal Cross- Linking of Copolymers Containing Dipolarophiles and the Tetrazoles as Nitrile Imine Dipole Precursors, Macromolecules, 1972, pp. 377-384, Vol. 5(4).	
		SUMERLIN et al., Click Functionalization of Well-Defined Copolymers Prepared by Atom Transfer Radical Polymerzation, in Contiolled Radical Polymerzation. From Synthesis to Materials. American Chemical Society Division of Polymer Chemistry, 2005, Chapter 11, pp. 140-152, Vol. 944.	
		TAKEICHI et al., Preparation of Porous Carbon Films by the Pyrolysis of Poly(Urethane-imide) Films and Their Pore Characteristics, Carbon, 2001, pp. 257-265, Vol. 39(2).	
		TSAREVESKY et al., Factors Determining the Performance of Copper-Based Atom Transfer Radical Polymerization Catalysts and Criteria for Rational Catalysts Selection, in Controlled Radical Polymerization. From Synthesis to Materials, American Chemical Society Division of Polymer Chemistry, 2005, Chapter 5, pp. 56-70, Vol. 944.	
		TSAREVSKY et al., Well-Defined (Co)polymers with 5-Vinyltetrazole Units via Combination of Atom Transfer Radical (Co)polymerization of Acylonitrile and "Click Chemistry"-Type Postpolymerization Modification, Macromolecules, 2004, pp. 9308–9313, Vol. 37(25).	
		UDDING, et al., J. Org. Chem. 59, 1993 (1994).	
		VAN GAAL et al., "Trends in Redox Potentials of Transition Metal Complexes," Coord. Chem. Rev. 1982, 47, 41.	
		VEREGIN, et al., Macromolecules, 1996, 29, 2746.	
		VEREGIN, et al., Macromolecules, 1996, 29, 4161.	

F. considerate		
Examiner	Date	
Signature	Considered	
0.30.0.0	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

EAAMINE: finitial infesseroes considered, whether or not crasion is in conformance with Mir-er Joux, uraw me through citation it not in comormance and not considered. Include copy of this form with next communication to applicant.

*Applicant's unique clation designation number (optional). *Applicant is to place a check mark here if English language Transation is attached. This collection of information is required by 37 CFR 1.9. *The information is required by an information are prequired to obtain or retain a benefit by the public which is to file (and by the USPTO is process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.1. *This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual complete, linearing graining, pepaling, and accommendation of the complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENDTO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2012. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Panerwork Reduction Act of 1995, no persons are required to a

				Complete if Known		
Substitute for form 1449/PTO				Application Number	10/591,426	
INFORMATION DISCLOSURE				Filing Date	06-13-2007	
STA	STATEMENT BY APPLICANT (use as many sheets as necessary)			First Named Inventor	K. Matyjaszewski	
				Art Unit	1796	
(use a				Examiner Name	M. Bernshteyn	
Sheet	19	of	20	Attorney Docket Number	050096PCTUS	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		VICEK, "Ligand Based Redox Series," Coord. Chem. Rev. 1982, 43, 39.	
		VON WERNE, et al., Preparation of Structurally Well-Defined Polymer-Nanoparticle Hybrids with Controlled/living Radical Polymerizations - J. Am. Chem. Soc. 1999, 121, 7409-7410.	
		WANG et al., "Living"/Controlled Radical Polymerization, Transition-Metal-Catalyzed Atom Transfer Radical Polymerization in the Presence of a Conventional Radical Initiator, Macromolecules, 1995, pp. 7572-7573, Vol. 28.	
		WANG et al., Controlled/"Living" Radical Polymerization. Atom Transfer Radical Polymerization in the Presence of Transition-Metal Complexes, Journal of the American Chemical Society, 1995, pp 5614–5615, Vol 117(20).	
		WANG et al., Controlled/"Living" Radical Polymerization. Halogen Atom Transfer Radical Polymerization Promoted by a Cu(I)/Cu(II) Redox Process, Macromolecules, 1995, pp. 7901-7910, Vol. 28(23).	
		WANG et al., ESR Study and Radical Observation in Transition Metal-Mediated Polymerization: Unified View of Atom Transfer Radical Polymerization Mechanism, in ACS Symposium Series, Advances in Controlled/living Radical Polymerizations, American Chemical Society Division of Polymer Chemistry, 2003, Chapter 12, pp. 161-179, Vol. 854.	
		WANG, et al., Polym. Prep. (Am. Chem. Soc. Polym. Chem. Div.), 36(1), 465 (1995).	
		WAYLAND, et al., Am. Chem. Soc., 116, 7943 (1994).	
		WEBSTER, Living Polymerization Methods, Science, 1991, pp. 887-893, Vol. 25.	
		WEBSTER, Makromol. Chem., Macromol. Symp. 67, pp. 365-371 (1993), "Mechanism of GTP: Can all of the Available Data be Accommodated?"	
		WEI et al., Atom Transfer Radical Polymerization of Styrene in the Presence of Iron Complexes, Polymer Preprints, 1997, pp. 231, Vol. 38(2).	

Examiner	Date
Cignoture	
Signature	Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Papelicant is to place a check mark here if English language Translation is attached. This

collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SENDTO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b (07-09) Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the I	Paperwork Reduction Act	of 1995, r	o persons are i	equired to respond to a collection of infor-	mation unless it contains a valid OMB control number	
				Complete if Known		
Substitute for form 1449/PTO				Application Number	10/591,426	
INFO	DRMATION DISC	CLOS	JRE	Filing Date	06-13-2007	
STA	STATEMENT BY APPLICANT			First Named Inventor	K. Matyjaszewski	
				Art Unit	1796	
use a	(use as many sheets as necessary)			Examiner Name	M. Bernshteyn	
Sheet	20	of	20	Attorney Docket Number	050096PCTUS	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		WU et al., Efficiency and Fidelity in a Click-Chemistry Route to Triazole Dendrimers by the Copen(I)-Catalyzed Ligation of Azides and Alkynes, Angewandte Chemie, International Edition, 2004, pp. 3928-3932, Vol. 43(30).	
		XIA et al., Controlled/"Living" Radical Polymerization. Homogenous Reverse Atom Transfer Radical Polymerization Using AIBN as the Initiator, Macromolecules, 1997, pp. 7692-7696, Vol. 30.	
		United States Patent application 09/534,827 filed March 23, 2000, Attorney Docket No. 00093.	
		*	
			-
			<u> </u>

Examiner	Date
Signature	Considered

"EXAMINER initial if reference considered, whether or not clation is in conformance with MEEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

'Applicant's unique clation designation number (cpitosa), 'Applicant is to piaco a check mark here if English language Translation is attached. This confection of information is required by 37 CFR 19.8. The information is required to obtain or relian a benefit by the public which is to figure due by the confection of information is required by a CFR 19.8. The information is required by the conference of th

Application unique citation designation number (policinal), "Applicant is to place a check mark here if English language Translation is statched. This conduction of information is required by 37 CFR 1-98. The information is required by 17 CFR 1-98. The information is required by 18 CFR 1-18. This collection is estimated to its find for the USPTO to process) an application. Conflictedinally is governed by 35 U.S.C. 122 and 37 CFR 1-18. This collection is estimated to take 2 hours to conflict the process of the confliction of the confliction